

Proposed Sessions for 94 Adipocyte Meeting.

Opening. Plenary Lecture: H. Bourne - G proteins and signalling

I. Mechanisms for Adipocyte Differentiation.

Steven L. McKnight, Carnegie Institute of Washington. C/EBPs in Adipocyte Differentiation.

Joel F. Habener, Harvard. Interactions of the Nuclear Protein CHOP with Transcriptional Factors During Adipocyte Differentiation.

T. Maniatis, Harvard. Regulation of Transcription in Drosophila Fat Bodies.

Harold Weintraub, Hutchinson Cancer Research Center. Muscle Differentiation: Lessons for the Adipocyte System.

II. Regulation of Gene Expression in the Adipocyte.

Gerard Allhaud, CNRS, Nice, France. Metabolic Integration of Gene Expression in Adipocytes.

M. Daniel Lane, Johns Hopkins University. Transcriptional Regulation in Differentiating Adipocytes.

Bruce M. Spiegelman, Harvard. Adipocyte-specific Enhancers of Gene Expression.

III. Growth Factors and Cytokines in Adipocyte Differentiation and Function.

***Gordon M. Ringold, Syntex, Palo Alto. Modulations of Adipocyte Function by Tumor Necrosis Factor.**

Andrew S. Greenberg, Tufts University. Autocrine Role for IL-6 in Regulation of Adipocyte Function.

H. Maurice Goodman, U. Mass., Worcester. Growth Hormone Receptors in Adipocytes.

***Craig C. Malbon, SUNY, Stony Brook. Role of G proteins in Adipocyte Differentiation and Metabolic Function.**

Hans Tornqvist, Lund, Sweden. Growth Hormone Signalling in Adipocytes.

IV. Lipid Uptake and Storage in Adipocytes.

*Robert Eckel, University of Colorado. Regulation of Lipoprotein Lipase.

*David Bernlohr, University of Minnesota. Structure, Function and Regulation of Fatty Acid Binding Protein.

Heiki S. Sul, Harvard. Transcriptional Regulation of Glycerol-3-phosphate Acyltransferase.

Harvey Lodish, M.I.T. Cloning of Fatty Acid Transporter.

V. Lipid Mobilization.

J.D. Morrisett, Baylor. NMR Studies of Triacylglycerol Metabolism.

C. Londos, NIH. Role of Adipocyte-specific Proteins of the Lipid Storage Droplet.

V.C. Manganiello, NIH. Molecular Studies of Insulin Regulation of Lipolysis.

VI. Adrenergic Function in Brown Fat.

*L. Kozak, Jackson Laboratory. Brown and White Fat Development in Transgenic Mice.

D. Ricquier, CNRS; Meudon-Bellevue, France. Molecular Studies of the Mitochondrial Uncoupling Protein of Brown Adipocytes.

J. Nedergaard, Werner-Gren Institute, Sweden. Adrenergic Regulation of the Uncoupling Protein.

*James G. Granneman, Wayne State University. The Beta-3-adrenergic Receptor and Regulation of Lipolysis.

VII. Pathophysiology of Obesity.

R. Liebel, Rockefeller. Genetics of Obesity.

A.D. Strosberg, CNRS UPR, Paris, France. The Adipocyte Beta-3-adrenergic Receptor and Obesity.

S.W. Cushman, NIH. Regulation of Glucose Transport in Normal and Obese States.

U. Smith, Goteborg, Sweden. Triacylglycerol Metabolism in Obesity.